



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D4777-1

Job Sheet 184283



Part No: D4777-1

Job Qty: 20 ea

Part Name: Rod End Bearing



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/4/18

Job Tracking No:

Due Date: 10/26/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV A IPP REV:A 12.10.03 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	20 pcs	10/26/18	10/26/18	0.00	0.00	Purchasing		OCT 10 2018
110	Packaging	20 pcs	10/26/18	10/26/18	0.00	0.00	Packaging2		OCT 10 2018
120	QC	20 pcs	10/26/18	10/26/18	0.00	0.00	QC6		OCT 10 2018
130	Packaging	20 pcs	10/26/18	10/26/18	0.00	0.00	Packaging3-2		OCT 10 2018
140	QC21-SA	20 Ea	10/26/18	10/26/18	0.00	0.00	QC21		OCT 10 2018

Part Op 100 - Issue P/O: 41253 Purchase Part Number: 59915K274 or CTG
Descriptions: 110 - Ensure certificate of conformity is attached

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
59915K274	Rod End Bearing D4777-1	20 pcs (1 ea)	100-Purchasing	<u>5116865</u>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	59915K274	20	0	0

Part Specifications

Specifications could not be found.

Plex 10/4/18 2:03 PM Dart.lajeunesse.marie



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S116883



Part: D4777-1

Job No: 184283

Serial No/Batch: S116883

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 10/10/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

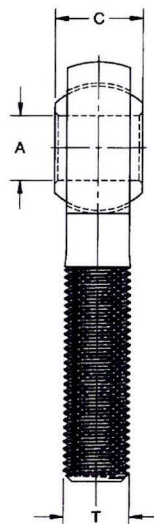
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	4M3K	3	5	0
	50695K162 ✓	3	5	0
	5232T243 ✓	3	2 ✓	0
	5232T313 ✓	3	1 ✓	0
	5232T316	3	3	0
	5274T73	3	7	0
	6050T14	3	3	0
	6852K11 ✓	3	1 ✓	0
	8028	3	10	0
	8063K37 ✓	3	1 ✓	0
	AMF556	3	16	0
	RBWST13045-7	3	5	0
	RBWST13045-8	3	6	0
Part Specifications				
Specifications could not be found.				

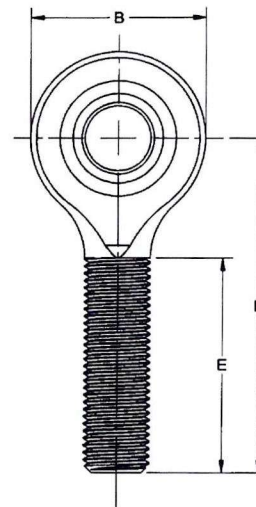
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50715 K179

SPECIFICATION CONTROL DRAWING



ROD END BEARING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 184283 MGS
1840-04

DART P/N	HOUSING MATERIAL	A	B	C	D	E	T (THREAD SIZE)	SUGGESTED SUPPLIER	SUGGESTED SUPPLIER P/N
D4777-1	STAINLESS STEEL	Ø 0.38	1.00	0.500	1.94	1.25	3/8-24 (RIGHT HAND)	MC MASTER CARR	59915K274

RELEASED
2013-08-14

A	NEW ISSUE	AJS	13.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	18	DRAWING NO.	REV. A
MFG. APPR.	18	D4777	SHEET 1 OF 1
APPROVED	18	TITLE	SCALE
DE APPR.	18	ROD END BEARING	NTS
DATE	13.08.08	COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041253**

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO041253

PO Date: 10/4/18

Due Date: 10/10/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pynt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

E-MAILED
OCT 04 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		50695K162	1/pack	Zinc Plated Fitting 1/4 NPT x 1/16-20 JIC Adapter for 1/4" Tube, 7/16"-20 UNF x 1/4 NPTF Male 1/pack	Firmed	-	10/10/18	10 Ea	0 Ea	10 Ea	\$1.46/Ea	\$14.60
								10 X	OCT 10 2018			
2		5232T243	1/pack	Standard Tee 1/4 NPT Tee Connector, 1/4 NPT Female 1/pack	Firmed	-	10/10/18	5 Ea	0 Ea	5 Ea	\$25.20/Ea	\$126.00
								5 X	OCT 10 2018			
3		5232T313	1/pack	COUPLING 1/4 NPT TO 1/8 NPT Straight Reducer, 1/4 x 1/8 NPT Female	Firmed	-	10/10/18	6 Ea	0 Ea	6 Ea	\$5.40/Ea	\$32.40
								6 X	OCT 10 2018			
4		5232T316	1/pack	Hex Nipple 1/4 NPT TO 1/4 NPT Precision Extreme-Pressure Steel Pipe Fitting 1/pack	Firmed	-	10/10/18	6 Ea	0 Ea	6 Ea	\$5.10/Ea	\$30.60
								6 X	OCT 10 2018			
5		5274T73	5/pk	Polypropylene Vial Plastic Bottle, 2.3 oz	Firmed	-	10/10/18	15 Ea	0 Ea	15 Ea	\$1.71/Ea	\$25.65
								15 X	OCT 10 2018			
6		6050T14	1/pack	Zinc Plated Fitting 1/4 NPTF x 1/4 Plug Size 1/4, Plug, 1/4 NPTF Male End 1/pack	Firmed	-	10/10/18	10 Ea	0 Ea	10 Ea	\$2.51/Ea	\$25.10
								10 X	OCT 10 2018			

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Hawkesbury, ON
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Canada

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PURCHASE ORDER **PO041253**

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
7		6852K11	1/pack	Squeeze Grip Valve Snap-Shut Threaded On/Off Valve 1/pack	Firmed	-	10/10/18	4 Ea	0 Ea	4 Ea	\$12.17/Ea	\$48.68
						4x	OCT 10 2018					
8		8063K37	1/pack	BRASS VALVE 1/4 NPT MALE x SCHRDER AIR VALVE Air Fill Valve with 1/4 NPT Inlet 1/pack	Firmed	-	10/10/18	8 Ea	0 Ea	8 Ea	\$3.94/Ea	\$31.52
						8x	OCT 10 2018					
9		50715K179	1/pack	Female Pipe Adapter SS 37 Degree Flared Fitting for Stainless Steel Tubing 1/pack	Firmed	-	10/10/18	2 Ea	0 Ea	2 Ea	\$25.36/Ea	\$50.72
						2x	OCT 10 2018					
10	184283	59915K274		Rod End Bearing D4777-1 as per dwg d4777 rev. a	Firmed	-	10/10/18	20 pcs	0 pcs	20 pcs	\$17.14/pcs	\$342.80
						20x	OCT 10 2018					
Grand Total:												\$728.07

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

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200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
P0041253

Order Placed By
Chantal Lavoie

McMaster-Carr Number
2181244-01

Page 1 of 1

10/04/2018

Line	Product	Ordered	Shipped
1 ✓	50695K162 37 Degree Flared Fitting for Steel Tubing, Adapter for 1/4" Tube, 7/16"-20 UNF x 1/4 NPTF Male	10 Each	10 ✓
2 ✓	5232T243 Precision Extreme-Pressure Steel Pipe Fitting, Tee Connector, 1/4 NPT Female	5 Each	5 ✓
3 ✓	5232T313 Precision Extreme-Pressure Steel Pipe Fitting, Straight Reducer, 1/4 x 1/8 NPT Female	6 Each	6 ✓
4 ✓	5232T316 Precision Extreme-Pressure Steel Pipe Fitting, Straight Connector, 1/4 NPT Male	6 Each	6 ✓
5 ✓	5274T73 Polypropylene Bottle, 2.4 oz./70 ml Capacity, 1-5/8" Diameter, Packs of 5	3 Packs	3 ✓
6 ✓	6050T14 Nickel-Plated Industrial-Shape Hose Coupling for Air, Size 1/4, Plug, 1/4 NPTF Male End	10 Each	10 ✓
7 ✓	6852K11 Snap-Shut Threaded On/Off Valve for Water and Inert Gas, 1/4 NPT Female	4 Each	4 ✓
8 ✓	8063K37 Air Fill Valve with 1/4 NPT Inlet	8 Each	8 ✓
9 ✓	50715K179 37 Degree Flared Fitting for Stainless Steel Tubing, Adapter for 5/16" Tube, 1/2"-20 UNF x 1/8 NPT Female	2 Each	2 ✓
10 ✓	59915K274 Corrosion-Resistant Ball Joint Rod End, 3/8"-24 Thread, Right Hand	20 Each	20 ✓

DAS
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